

General Information

Gene Name Synonym

Heat shock 70kDa protein 1A; Heat shock 70kDa protein 1B; cDNA FLJ75127, highly similar to Homo sapiens heat shock 70kDa protein 1A, mRNA

Protein Construction

A DNA sequence encoding the human HSPA1A (NP_005336.3) (Ala2-Asp641) was expressed with a polyhistidine tag at the N-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Purity

> 95 % as determined by SDS-PAGE.

Endotoxin

< 1.0 EU per µg protein as determined by the LAL method.

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Met

Molecular Mass

The recombinant human HSPA1A consists of 651 amino acids and predicts a molecular mass of 71.4 kDa.

Formulation

Lyophilized from sterile PBS, pH 7.4.

1. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA.

2. Please contact us for any concerns or special requirements.

Usage Guide

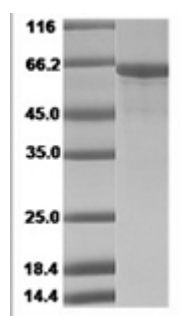
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

SDS-PAGE



Human HSP70/HSPA1A Protein 14488